IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jan Wielsma

Serial No.:

N/A

Filed:

Herewith

For:

LOW-LOSS PRINTED CIRCUIT BOARD ANTENNA

STRUCTURE AND METHOD OF MANUFACTURE THEREOF

Group No.:

N/A

Examiner:

N/A

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement. This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Form PTO-1449. Copies of the listed references are submitted herewith.

| U.S. Patent No. | Inventor | <u>Date</u> |
|---------------------------|-------------------------------|------------------------------------|
| 6,424,317 B2 | Rudish | July 23, 2002 |
| 6,377,227 B1 5,859,614 | Zhu et al. Paolella et al. | April 23, 2002 January 12, 1999 |
| J,0JJ,01 4 | radiciia et ai. | January 12, 1999 |

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

Respectfully submitted,

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| Substitute for form 1449/PTO | | | | Complete if Known | | |
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| | | | | Application Number | N/A | |
| INI | FORMATIC | או חופר | OSLIDE | Filing Date | Herewith | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | First Named Inventor | Jan Wielsma | |
| | | | | Art Unit | N/A | |
| | | | ssary) | Examiner Name | N/A | |
| Sheet | 1 | of | 1 | Attorney Docket Number | WIELSMA 3 | |

| | 1 | · · · · · · · · · · · · · · · · · · · | | DOCUMENTS | |
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| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ^{2 (# known)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | ^{US-} 6,424,317 B2 | 07/23/2002 | Rudish | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.